

ABSTRACT

Presented is a lifting body ship that has a blower pressurized air layer disposed in the underside of its lifting body such that the air layer reduces wetted area friction and hence the propulsive power required is greatly reduced. Further, a water propulsor is supplied that takes in water through transversely oriented water inlets in the top of the lifting body to thereby reduce turbulence and its associated drag that would normally occur over the top of the lifting body.